

CLAIMS

1. A pretreatment method for electroless plating, wherein

an inorganic filler is added to a polymeric material;

5 and

an obtained polymeric mold is irradiated with laser and immersed in a noble metal aqueous solution.

2. The pretreatment method for electroless plating according to Claim 1, wherein

10 10-50 weight % of the inorganic filler is added.

3. The pretreatment method for electroless plating according to of Claim 1 or 2, wherein

a total energy inputted by the laser is 10-500 J/cm².

4. The pretreatment method for electroless plating
15 according to any of Claims 1 to 3, wherein

the laser is irradiated so that a fluence and the number of times of irradiation are set to obtain a charging state suitable for precipitating noble metal.

5. The pretreatment method for electroless plating
20 according to any of Claims 1 to 4, wherein

the polymeric material is LCP, polyethersulfone, polybutylene terephthalate, polycarbonate, polyphenylene ether, polyphenylene oxide, polyacetal, polyethylene terephthalate, polyamide, ABS, polyphenylene sulfide,
25 polyetherimide, polyetherether ketone, polysulfone,

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polyimide, epoxy resin or a composite resin thereof.

6. The pretreatment method for electroless plating according to any of Claims 1 to 5, wherein

the polymeric material is composed of two or more
5 kinds of resins having different laser ablation threshold values.

7. The pretreatment method for electroless plating according to any of Claims 1 to 6, wherein

a palladium aqueous solution is used as the noble
10 metal aqueous solution.

8. The pretreatment method for electroless plating according to any of Claims 1 to 7, wherein

a glass filler is used as the inorganic filler.

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